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### 1 [Profile-based dynamic voltage and frequency scaling for a multiple clock domain microprocessor](#)


 Grigoris Magklis, Michael L. Scott, Greg Semeraro, David H. Albonesi, Steven Dropsho  
 June 2003 | SCA '03: Proceedings of the 30th annual international symposium on Computer architecture

Publisher: ACM

Full text available: [pdf\(541.83 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 44, Citation Count: 22

A Multiple Clock Domain (MCD) processor addresses the challenges of clock distribution and power dissipation by dividing a chip into several (coarse-grained) clock domains, allowing frequency at voltage to be reduced in domains that are not currently ...

### 2 [Bridging the digital divide: storage media + postal network = generic high-bandwidth communication](#)



Nitin Garg, Sumeet Sobti, Junwen Lai, Fengzhou Zheng, Kai Li, Randolph Y. Wang, Arvind Krishnamurthy

May 2005 | ACM Transactions on Storage (TOS), Volume 1 Issue 2

Publisher: ACM

Full text available: [pdf\(748.97 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 173, Citation Count: 0

Making high-bandwidth Internet access pervasively available to a large worldwide audience is a difficult challenge, especially in many developing regions. As we wait for the uncertain takeoff of technologies that promise to improve the situation, we ...

Keywords: Distributed systems, peer-to-peer systems, postal system, storage systems, the digital divide

### 3 [Analysis of navigation behaviour in web sites integrating multiple information systems](#)

Bettina Berendt, Myra Spiliopoulou

March 2000 | The VLDB Journal — The International Journal on Very Large Data Bases, Volume 1 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(281.14 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 178, Citation Count: 18

The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically ...

**Keywords:** Conceptual hierarchies, Data mining, Query capabilities, Web databases, Web query interfaces, Web usage mining

#### 4 Quality-adaptive media streaming by priority drop



Charles Krasic, Jonathan Walpole, Wu-chi Feng

June 2003 NOSSDAV '03: Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video

Publisher: ACM

Full text available: pdf(395.62 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 60, Citation Count: 8

This paper presents a general design strategy for streaming media applications in best effort computing and networking environments. Our target application is video on demand using personal computers and the Internet. In this scenario, where resource ...

**Keywords:** internet, priority mapping, quality adaptive streaming

#### 5 Exporting and interactively querying Web service-accessed sources: The CLIDE System



Michalis Petropoulos, Alin Deutsch, Yannis Papakonstantinou, Yannis Katsis

November 2007 ACM Transactions on Database Systems ( TODS), Volume 32 Issue 4

Publisher: ACM

Full text available: pdf(1.60 MB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 176, Citation Count: 0

The CLIDE System assists the owners of sources that participate in Web service-based data publishing systems to publish a restricted set of parameterized queries over the schema of their sources and package them as WSDL services. The sources may be relational ...

**Keywords:** Middleware, Web services, limited access patterns, query rewriting

#### 6 Receiver-oriented multiple access in ad hoc networks with directional antennas

Lichun Bao, J. J. Garcia-Luna-Aceves

January 2005 Wireless Networks, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: pdf(791.37 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 51, Citation Count: 0

Directional antennas can adaptively select radio signals of interest in specific directions, while filtering out unwanted interference from other directions. A couple of medium access protocols based on random access schemes have been proposed for networks ...

**Keywords:** ad hoc networks, channel access scheduling, directional antenna, multi-beam adaptive array (MBAA)

#### 7 Lifting sequential graph algorithms for distributed-memory parallel computation

Douglas Gregor, Andrew Lumsdaine

October 2005 ACM SIGPLAN Notices, Volume 40 Issue 10

Publisher: ACM

Full text available:  pdf(382.15 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 98, Citation Count: 1

This paper describes the process used to extend the Boost Graph Library (BGL) for parallel operation with distributed memory. The BGL consists of a rich set of generic graph algorithms and supporting data structures, but it was not originally designed ...

Keywords: distributed computing, generic programming, parallel graph algorithms

## 8 [Lifting sequential graph algorithms for distributed-memory parallel computation](#)

Douglas Gregor, Andrew Lumsdaine

October 2005 OOPSLA '05: Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications

Publisher: ACM

Full text available:  pdf(382.15 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 98, Citation Count: 1

This paper describes the process used to extend the Boost Graph Library (BGL) for parallel operation with distributed memory. The BGL consists of a rich set of generic graph algorithms and supporting data structures, but it was not originally designed ...



Keywords: distributed computing, generic programming, parallel graph algorithms

## 9 [Code selection for media processors with SIMD instructions](#)

Rainer Leupers

January 2000 DATE '00: Proceedings of the conference on Design, automation and test in Europe

Publisher: ACM

Full text available:  pdf(147.30 KB)  Publisher Site Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 33, Citation Count: 8

## 10 [A web interface to parallel program source code archetypes](#)

Juan Villacis, Dennis Gannon

December 1995 Supercomputing '95: Proceedings of the 1995 ACM/ IEEE conference on Supercomputing (CDROM) - Volume 00, Volume 00

Publisher: ACM

Full text available:  html(44.50 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 30, Citation Count: 0

This paper describes a set of tools for annotating and exploring program source code on the World Wide Web (WWW). These tools are part of a project to build an electronic textbook for parallel programming that exploits the Caltech Archetypes model of ...

Keywords: WWW, HTML, parallel programming tools, source code, electronic textbooks

## 11 [Video search reranking through random walk over document-level context graph](#)

Winston H. Hsu, Lyndon S. Kennedy, Shih-Fu Chang

September 2007 MULTIMEDIA '07: Proceedings of the 15th international conference on Multimedia



Publisher: ACM

Full text available: [pdf\(647.51 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 145, Citation Count: 0

Multimedia search over distributed sources often result in recurrent images or videos which are manifested beyond the textual modality. To exploit such contextual patterns and keep the simplicity of the keyword-based search, we propose novel reranking ...

Keywords: multimodal fusion, power method, video search

## 12 [A framework for the transmission of streaming media to mobile devices](#)

Kevin Curran, Gerard Parr

January 2002 International Journal of Network Management, Volume 12 Issue 1

Publisher: John Wiley &amp; Sons, Inc.

Full text available: [pdf\(302.57 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 81, Citation Count: 0

One interesting problem is the delay imposed upon mobile receivers when switching between wireless cells. We provide a solution to this in the form of an extension of Mobile IP's handoff algorithm. Our solution involves the exploitation of mobility prediction ...

## 13 [Networked graphs: a declarative mechanism for SPARQL rules, SPARQL views and RDF data integration on the web](#)



Simon Schenk, Steffen Staab

April 2008 WWW '08: Proceeding of the 17th international conference on World Wide Web

Publisher: ACM

Full text available: [pdf\(537.96 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

Easy reuse and integration of declaratively described information in a distributed setting is one of the main motivations for building the Semantic Web. Despite of this claim, reuse and recombination of RDF data today is mostly done using data replication ...

Keywords: SPARQL, distributed rules, rules, semantic web, views, well founded semantics

## 14 [An analysis of XML database solutions for the management of MPEG-7 media descriptions](#)



Utz Westermann, Wolfgang Klas

December 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 4

Publisher: ACM

Full text available: [pdf\(448.76 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 369, Citation Count: 7

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large ...

Keywords: MPEG-7, XML database systems, multimedia databases

## 15 [A graph-theoretic approach to extract storylines from search results](#)



Ravi Kumar, Uma Mahadevan, D. Sivakumar

August 2004 KDD '04: Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

Full text available: pdf(161.61 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 126, Citation Count: 4

We present a graph-theoretic approach to discover storylines from search results. Storylines are windows that offer glimpses into interesting themes latent among the top search results for a query; they are different from, and complementary to, clusters ...

Keywords: clustering, communities, link analysis, search results, storylines

# 16 [A multi-thread safe foundation for scene graphs and its extension to clusters](#)

G. Voß, J. Behr, D. Reiners, M. Roth

September 2002 EGPGV '02: Proceedings of the Fourth Eurographics Workshop on Parallel Graphics and Visualization

Publisher: Eurographics Association

Full text available: pdf(119.74 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 111, Citation Count: 6

One of the main shortcomings of current scene graphs is their inability to support multi-thread safe data structures. This work describes the general framework used by the OpenSG scene graph system to enable multiple concurrent threads to independently ...

# 17 [Distributing media transformation over multiple media gateways](#)



Wei Tsang Ooi, Robbert van Renesse

October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM international conference on Multimedia

Publisher: ACM

Full text available: pdf(227.66 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 15, Citation Count: 4

Media gateways have been proposed as a solution to the network heterogeneity problem in multicast. Services on the gateways transform media streams as they flow through the gateways. In this paper, we present our work on composable services ...

# 18 [Graph-based code selection techniques for embedded processors](#)



Rainer LEUPERS Leupers, Steven Bashford

October 2000 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 5 Issue 4

Publisher: ACM

Full text available: pdf(356.83 KB)

Additional Information: full citation, abstract, references, index terms, review


Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 53, Citation Count: 3

Code selection is an important task in code generation for programmable processors, where the goal is to find an efficient mapping of machine-independent intermediate code to processor-specific machine instructions. Traditional approaches to code selection ...

Keywords: SIMD instructions, code selection, data-flow graphs, embedded processors, irregular data paths

19 [Profile-based dynamic voltage and frequency scaling for a multiple clock domain microprocessor](#)

Grigorios Magklis, Michael L. Scott, Greg Semeraro, David H. Albonese, Steven Dropsho  
May 2003 ACM SIGARCH Computer Architecture News, Volume 31 Issue 2  
Publisher: ACM

Full text available:  pdf(541.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 44, Citation Count: 22

A Multiple Clock Domain (MCD) processor addresses the challenges of clock distribution and power dissipation by dividing a chip into several (coarse-grained) clock domains, allowing frequency and voltage to be reduced in domains that are not currently ...

20 [Semantic querying of tree-structured data sources using partially specified tree patterns](#)

Dimitri Theodoratos, Theodore Dalamagas, Antonis Koufopoulos, Narain Gehani

October 2005 CIKM '05: Proceedings of the 14th ACM international conference on Information and knowledge management

Publisher: ACM

Full text available:  pdf(250.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation Count: 2

Nowadays, huge volumes of data are organized or exported in a tree-structured form. Querying capabilities are provided through queries that are based on branching path expression. Even for single knowledge domain structural differences raise difficulties ...

Keywords: XML, query evaluation, query satisfiability, tree-pattern queries, tree-structured data

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